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**1-800-553-2870**

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\*Ferrite Machining Capability

## Component Catalog Sales:

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# Fair-Rite Products Corp.

PO Box J, One Commercial Row, Wallkill, NY 12589

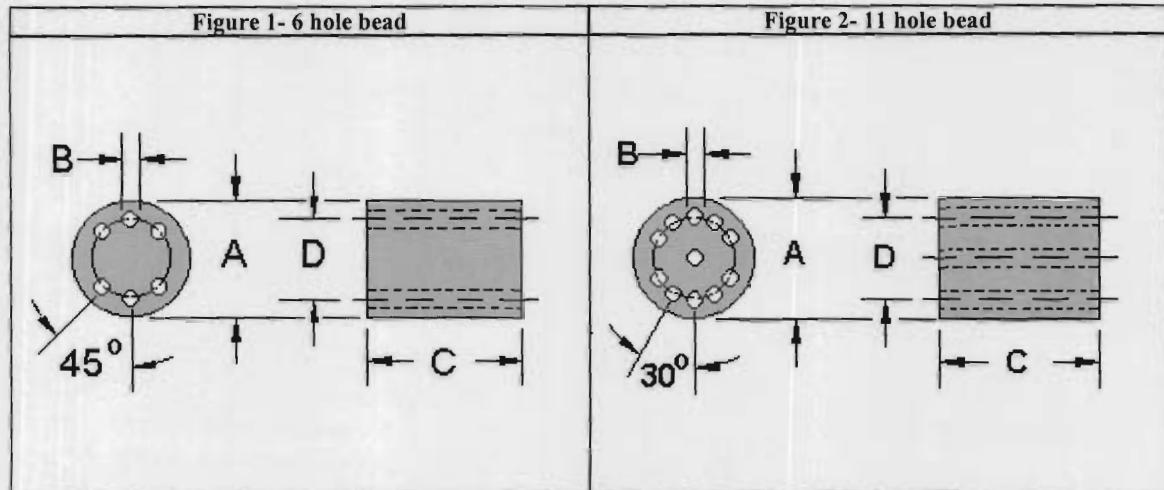
**Phone (914) 895-2055** • **FAX (914) 895-2629**

E-Mail: ferrites@fair-rite.com

## Wound Ferrite Bead Specifications

Six and eleven hole beads, in 44 material and 61 material, are available as beads and as beads wound in several winding configurations.

Available materials: 61 and 44.



Dimensions in **bold** type are in millimeters; *italic numbers* are nominal in inches.

See notes below

Part Number	Beads									
	Impedance (Ohm) @10 MHz	Impedance (Ohm) @50 MHz	Impedance (Ohm) @100MHz	Impedance (Ohm) @200MHz	Fig.	Wt (g)	A	B	C	D (Ref.)
2644666611	170 min.	320 min.	375 min.	.	1	1.2	<b>6.0±0.25</b>	<b>0.75±0.15</b>	<b>10.0±0.25</b>	3.5
2661666611		250 min.	400 min.	325 min.			.236	.032	.394	.138
2644777711	300 min.	725 min.	400 min.		2	3.3	<b>10.0±0.25</b>	<b>0.9±0.15</b>	<b>10.0±0.25</b>	7.5
							.394	.038	.394	.295

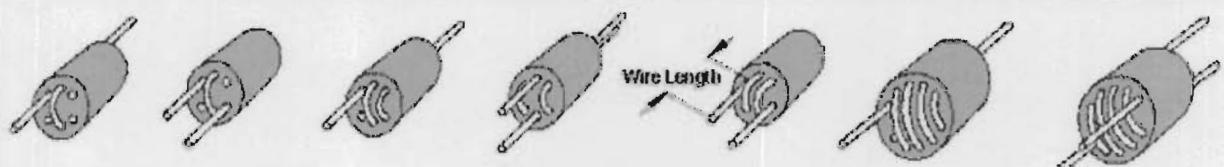


Figure 1-1

Figure 1-2

Figure 1-3

Figure 1-4

Figure 1-5

Figure 2-1

Figure 2-2

Part Number	Wound Beads								Wt (g)
	Impedance (Ohm) @10 MHz	Impedance (Ohm) @50 MHz	Impedance (Ohm) @100MHz	Impedance (Ohm) @200MHz	Fig.	Turns	Wire Dia.	Wire Length	
2944666661	170 min.	320 min.	375 min.	.	1-1	1½	.053	<b>38.0±3.0</b>	1.3
2961666661		250 min.	400 min.	325 min.			.24 AWG	1.500	
2944666651	240 min.	520 min.	480 min.	.	1-2	2	.053	<b>38.0±3.0</b>	1.3
2961666651		425 min.	600 min.	300 min.			.24 AWG	1.500	
2944666671	320 min.	680 min.	580 min.	.	1-3	2½	.053	<b>38.0±3.0</b>	1.4
2961666671		550 min.	675 min.	275 min.			.24 AWG	1.500	
2944666681	170 min.	320 min.	350 min.	.	1-4	2x1½	.053	See *	1.4
2961666681		325 min.	400 min.	325 min.			.24 AWG		
2944666631	400 min.	800 min.	550 min.	.	1-5	3	.053	<b>38.0±3.0</b>	1.4
2961666631		650 min.	625 min.	250 min.			.24 AWG	1.500	

<b>2944777741</b>	650 min.	1000 min.	400 min.		2-1	4½	<b>.065</b> 22 AWG	<b>38.0±3.0</b> 1.500	3.8
<b>2944777721</b>	300 min.	725 min.	400 min.		2-2	2x2½	<b>.065</b> 22 AWG	<b>See *</b>	3.9

\* Wire length of one winding is **38.0±3.0** (1.500); wire length of second winding is **28.5±3.0** (1.125).

Notes:

1- The **Expanded Bead-on-Lead EMI Suppressor Kit** (P/N **0199000010**) is available for prototype evaluation.

2- Parts with a '1' as the last digit of the part number are supplied bulk packed. Parts **2943666651**, **2961666651**, **2943666631** and **2961666631** can be supplied radially taped and reeled per EIA standard 468-B. This packing method will change the last digit of the part number to a '4' (**2943666654**, **2961666654**, **2943666634** and **2961666634**).

3- Wire used for winding is oxygen free high conductivity copper with a tin plating.

4- These beads are controlled for impedance limits only. They are tested for impedance using a Hewlett-Packard HP 4191A RF Impedance Analyzer for 61 material beads and a Hewlett-Packard HP 4193A Vector Impedance Analyzer for 43 material beads. Bead part numbers **2643666611** and **2661666611** are tested with 1½ turns; part number **2643777711** with 2½ turns.

### Information Request

Please send me Impedance versus Frequency curves and DC bias curves for Wound Bead part number(s). Please indicate your E-mail address, your name, and your company name.

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